

METHOD FOR RECOVERING FLUORESCENT MATERIAL FROM FAULTY GLASS BODIES OF DISCHARGE LAMPS

ABSTRACT OF THE DISCLOSURE

The invention relates to a method for recovering of fluorescent material from faulty glass bodies (1) of discharge lamps by crushing (11) the lamps, separating and recovering the fluorescent components thereof.

The method comprises the steps of breaking the faulty glass bodies (1) in a crusher, removing all metallic component parts if present in the glass bodies (1) by means of electromagnetic separation (13), separating a remaining fraction forming a reusable waste from the broken scrap including glass particles and fluorescent material particles by sieving (15), separating the fluorescent material from the surface of the glass particles in a liquid by washing (19), and obtaining a reusable fluorescent material from the liquid suspension by means of at least one sedimentary deposition (21).

The method comprises the step of treating of the remaining fraction by heat for removing the binding material from the fluorescent material if it is necessary.